

Please add new claims 6 and 7, as follows:

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6. A system for a material testing machine according to claim 1, further comprising means for obtaining information from the web site located away from the web site, said means obtaining the information through a connection to the web site.
 7. A system for a material testing machine according to claim 5, wherein said terminal is a cellular phone.

REMARKS

The specification has been reviewed, and a clerical error of the specification has been amended.

In paragraph 1 of the Action, claim 1 was rejected under 35 U.S.C. 102(b) as being anticipated by Starostovic, Jr. In paragraph 2 of the Action, claim 2 was rejected under 35 U.S.C. 103(a) as being unpatentable over Starostovic, Jr. in view of Hala, and claims 3-5 were rejected under 35 U.S.C. 103(a) as being unpatentable over Starostovic, Jr. and Hala in view of Wirth.

In view of the rejections, claim 2 has been cancelled, and the subject matter of claim 2 has been incorporated into claim 1. Also, claim 3 as been slightly amended, and claim 5 has been amended in an independent form. Further, new claims 6 and 7 have been filed.

In claim 1, in addition to a material testing machine with a computer, the system for the material testing machine includes an outside provider electrically connected to the computer of the material testing machine, and having a web site established therein for receiving outputs of the computer to update the test information periodically to the web site. The web site includes updated test information accessible at any time from another computer or a portable terminal.

In Starostovic, Jr., a performance test system includes a device for applying a load to a panel to be tested and a computer for controlling the same. Although the device for applying the load is disclosed in Starostovic, Jr., there is no outside provider with the web site for updating the information of the testing machine. Therefore, Starostovic, Jr. does not disclose or suggest the system

of claim 1.

In Hala, a system 10 includes a machine 20 for sensing row dynamic machine data, sampling means 30 for obtaining sampling data, computational means 40 for receiving sampled data, a processor 42 connected to the computational means 40, and a host computer 60 for storing data. The host computer 60 is connected to the computational means 40 by inter alia, wire, fiber optic and so on. In claim 1 of the invention, the testing machine is connected to the outside provider with the web site to update the test information. Although Hala has the host computer 60, the host computer 60 does not have the web site to update the test information, as in the invention. Also, the host computer 60 in Hala is not accessible from another computer or a portable terminal. Thus, Hala does not disclose or suggest the features of claim 1.

Wirth shows a process for automated diagnosis of monitored objects, i.e. drive strings. In the procedure, automatic alarming of personnel at the location of the monitoring terminal is made by fax, E-mail and so on. Therefore, if an abnormal condition occurs, an alarm is issued through fax, E-mail and so on. In claim 1 of the invention, the computer of the testing machine is connected to the outside provider with the web site to update the data in the web site. The features of claim 1 are not disclosed or suggested in Wirth.

In claim 5, in addition to the material testing machine, the system for the material testing machine includes an outside provider electrically connected to the computer of the material testing machine, and a terminal disposed independently from and connected to the outside provider. The computer of the material testing machine periodically sends the test information by an electronic mail to the terminal through the outside provider to provide update information.

In Starostovic, Jr., the performance test system includes the device for applying a load to a panel to be tested, and a computer for controlling the same. However, there are no outside provider nor the terminal connected to the outside provider. The update information of the material testing machine is not supplied to the terminal as in the invention. Therefore, Starostovic, Jr. does not disclose or suggest the system of claim 5.

In Hala, the system 10 includes sampling means 30 for obtaining sampling data of the machine 20, computational means 40 for receiving sampled data with a processor 42, and a host computer 60 for storing data connected to the computational means 40 by inter alia, wire, fiber optic and so on. In claim 5 of the invention, the system includes the outside provider and the terminal connected to the outside provider. Although Hala has the host computer 60, the host computer 60 is not the outside provider. Also, Hala does not have the terminal connected to the outside provider of the invention, wherein the update information of the material testing machine is obtained by the terminal through the electronic mail. Thus, Hala does not disclose or suggest the features of claim 5.

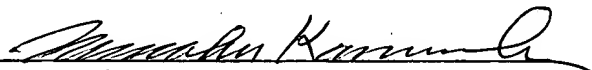
Wirth shows a process for automated diagnosis of monitored objects. In the procedure, automatic alarming of personnel at the location of the monitoring terminal is made by fax, E-mail and so on. Namely, if an abnormal condition occurs, an alarm is issued through fax, E-mail and so on. In claim 5 of the invention, the computer of the testing machine is connected to the terminal through the outside provider to provide the update information to the terminal, not alarm. The outside provider and the terminal for providing the update information are not disclosed or suggested in Wirth. The features of claim 5 are not disclosed or suggested in Wirth.

As explained above, the features of claims 1 and 5 of the invention are not disclosed or suggested in the cited references. Even if the cited references are combined, claims of the invention are not obvious from the cited references.

Reconsideration and allowance are earnestly solicited.

Respectfully submitted,

KANESAKA AND TAKEUCHI

by 
Manabu Kanesaka
Reg. No. 31,467
Agent for Applicants

1423 Powhatan Street
Alexandria, VA 22314
(703) 519-9785

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1.(amended) A system for a material testing machine, comprising:

a material testing machine having a load mechanism for applying a load to a test piece, sensors for detecting information regarding a load caused by the load mechanism and information regarding a condition of the test piece in accordance with the load, and a computer electrically connected to the sensors for receiving outputs from the sensors and processing data to thereby obtain test information[,] of the material testing machine, and

an outside provider electrically connected to the computer, and having a web site established therein [information means electrically connected to the outside provider] for receiving outputs of the computer [through the outside provider] to update the test information periodically to the web site, said web site including updated test information accessible at any time from another computer or a portable terminal.

3.(amended) A system for a material testing machine according to claim 1, [wherein said information means is] further comprising a control computer disposed independently from and connected to the outside provider, said computer of the material testing machine being set to periodically send the test information by an electronic mail to the control computer through the outside provider to provide the test information to the control computer.

5.(amended) A system for a material testing machine [according to claim 1, wherein said information means is], comprising:

a material testing machine having a load mechanism for applying a load to a test piece, sensors for detecting information regarding a load caused by the load mechanism and information regarding a condition of the test piece in accordance with the load, and a computer electrically connected to the sensors for receiving outputs from the sensors and processing data to thereby obtain test information of the material testing machine, and

an outside provider electrically connected to the computer, and a terminal disposed independently from and connected to the outside provider, said computer of the material testing machine [being set to] periodically [send] sending the test information by an electronic mail to the terminal through the outside provider to provide update information.

material testing machines 1 through e-mails, and in response to these instructions, the respective personal computers 15 can be operated to control the respective material testing machines 1.

[0023] Furthermore, by using the control computer 5 as a server, the control computer 5 can be connected from the portable terminal or other personal computer through the internet, so as to know the test information by the respective material testing machines 1 from any place.

[0024] Next, the third embodiment of the invention will be explained. Fig. 3 is a structural view showing the third embodiment.

[0025] In this embodiment, the personal computer 15 of the material testing machine 1 having the same structure as in the aforementioned embodiments is connected to the outside provider 2 by the telephone line 3 or LAN. Then, the personal computer 15 periodically sends the test information by the material testing machine 1 to a specific cellular phone 6 or a separately disposed, specific personal computer 7, which is specified in advance, through e-mails. Therefore, according to the third embodiment, by using the specific cellular phone 6 or the specific personal computer 7, the test information by the material testing machine 1 can be obtained.

[0026] Also, in this embodiment, by adopting an attachment format, image data, such as a load-elongation curve, can be sent, and in this case, the test status or condition by the material testing machine 1 can be checked by the image by using the portable terminal.

[0027] As described above, according to the first aspect of the

invention, since the test information by the material testing machine is updated periodically from the computer attached to the material testing machine to the web site established in the outside provider, by connecting the web site from any cellular phone or any personal computer through the internet at any time, the operator is able to know the current test status or test result by the material testing machine from any place without being present near the material testing machine. Especially, in case of a test which takes long time, or in case of using an automatic material testing machine, since test information can be obtained when necessary, contact or communication in case of an error, or contact regarding an end of the test become⁵ available.

[0028] Also, according to the second aspect of the invention, since the test information by the material testing machines is periodically sent to the control computer from the personal computers attached to the material testing machines, irrespective of the installed location of the control computer, the data management for the plurality of material testing machines can be carried out by the control computer without forming the large-scaled online system. Moreover, on the contrary, the instructions in response to the operation ratio of the respective material testing machines and test results thereof can be carried out by the control computer.

[0029] Furthermore, according to the third aspect of the invention, since the test information can be sent by e-mail from the personal computer attached to the material testing machine to the specific portable terminal or the specific personal computer through the outside provider, the operator can check the test